F

October 19, 2009 12:48:18 PM

Item ID:

D3140-89

**Revision ID:** 

Item Name: Doubler

Required Date: 11/02/09

**Start Date:** 

10/19/09

Start Qty: 8.00

Req'd Qty: 8.00



Accept



Setup Start



Stop

Reference:

Approvals:

Date: 09-10-19 Tooling:

Date:

0.00

0.00

Date:

Run

Start



Stop

Sequence ID/ Work Center ID

Operation Description

**Revision Nbr** 

Set Up/

**SPC (Y/N):** 

**Run Hours** 

Draw Number

**Cust Item ID:** 

**Customer:** 

Draw Rev.

Plan Accept Qty Code

Reject Reject Qty Number

Stamp

**Draw Nbr** D3140

Rev F

100

Waterjet

FLOW CNC Waterjet

2524 CEo. FLOW WATER JET

Memo

1-Cut as per Dwg D3140 Dwg Rev:

Prog Rev:

2-Deburr if necessary

QC2- Inspect parts off machine FAI/FAIB

110

Quality Control

QC

Memo

0.00

0.00

B9-11-5

肥9-11-5

120

QC



Quality Control

Memo

QC8- Inspect parts - second check

Dart Aerospace Ltd	Dart	<b>Aeros</b>	pace	Ltd
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W/O:	_,		WORK	ORDER CHANG	GES			· · · · · · · · · · · · · · · · · · ·	
DATE	STEP	PROC	EDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		10-09/-10							
Part No	:D3	140-89 PAR #:	Fault Category	: 3mall Fub /t	J. T NCR: Yes	)No DQ	A:	Date: _	05.11.24
	R	esolution: <u>Swap</u>	_ Disposition:	SCVINA	QA: N/C C	losed:	<u> </u>	/ Date: <u> </u>	05-11-24

NCR:52	2918	W	ORK OR	DER NON-CONFORMANC	E (NCR)	- J		
5.475	0==0	Description of NC	Corrective Action Section B				Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description  Chief Eng	Sign & Date	Verification Section C	Chief Eng	Approval QC Inspector
9/11/06	100	one Qty +1 Part Scapes.  It was found after cut with A harge score / & scratch AND DEAT.	oxu2	- Scrap AND Destry AND Relline aty +1 B* MILBODS	B 94-17	alulis	8 grap	Solulot
		R.C. Mat. Storax or transport.						orlulas

NOTE: Date & initial all entries

F



Page 2

Item ID:

D3140-89

Accept

Setup Start

Stop



**Revision ID:** 

Item Name:

Required Date: 11/02/09

Doubler

10/19/09

Start Qty: 8.00

Req'd Oty: 8.00

**Cust Item ID:** 

**Customer:** 

Draw

Number

Reference:

Start Date:

Approvals:

Process Plan:

QC: \_\_\_\_\_ Date: \_\_\_\_ SPC (Y/N):

Date: Tooling:

Date:

Draw

Rev.

Plan

Code

Date:

Run Start

Reject

Qty

Accept

**Qty** 

Stop

Number Stamp

Insp.

Reject

Sequence ID/ Work Center ID

130



Small Fab Small Fab

Small Fab

Operation

**Description** 

0.00 1-Scuff surfaces with 80grit sandpaper per QSI 006

2-Deburr.

No sharp edges

Memo

140

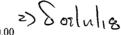
Quality Control

QC5- Inspect part completeness to step on W/O

Set Up/

0.00

**Run Hours** 



150

HandFinish

Hand Finishing

Memo

Chemical Conversion Coat per QSI005 4.1

=> M colula

0.00

Page 3

October 19, 2009 12:48:15 PM

Item ID:

D3140-89

**Revision ID:** F

Item Name:

Doubler

**Start Date:** 

10/19/09

Start Oty: 8.00

· Required Date: 11/02/09

**Reg'd Oty: 8.00** 



Accept

Date:

Draw

Rev.

Setup Start

Stop



**Cust Item ID: Customer:** 

Reference:

Approvals:

Process Plan:

OC:

Date:

Date: Tooling:

SPC (Y/N):

Date:

Draw

Number

Run

Start

Stop

Reject

Number

Reject

Otv

Insp.

Stamp

Sequence ID/ Work Center ID

160

Quality Control

Operation Description

OC3- Inspect Part Finish

Memo

Set Up/ **Run Hours** 

0.00

0.00

0.00

0.00

So 09/4/18

Plan

Code

Accept

Otv

170

Packaging Packaging

Memo

So ortal 18

U

180

**Quality Control** 

QC21- Final Inspection - Work Order Release

Identify as per dwg & Stock Location: CA

0.00

Memo

0.00

09/11/199, WG-11,18

## **Picklist Print**

November 05, 2009 2:28:13 PM

Work Order ID: 52918

Parent Item:

**Comments:** 

D3140-89RevF

Parent Item Name: Doubler



**Start Date:** 10/19/2009

Required Date: 11/2/2009

Page 1

Start Qty: 8.00

Required Qty: 8.00

Component Item ID/	Replacement	Mfg/	Bin Primary	Last	Route	Unit of	Qty on	Remaining	Qty	Date	Status
Item Name	Item ID	Purch	Item Location	Location	Seq ID	Measure	Hand	Qty To Pick	Issued	Issued	
M2024T3S.032		Purchased	No		100	sf	203.3122	13.9789	21.0		

2024-T3 .032 sheet

<u>Warehouse</u>	Loc Qty	Loc Code	
Location			
Main Warehouse			
MAT	203.3122316		
102942	1.5		
105555	4.0684		
106272	5.3		
108595	1.2		
109240	7.02		
110305	144		
110778	18.8996316		
111699	18.3242		111699 X 4
18147	. 3		
113004			113005 X8

189-11-5

## **Dart Aerospace Ltd**

	Approval C Inspector
Part No: PAR #: Fault Category: NCR: Yes No DQA: Date:	
Resolution: Disposition: QA: N/C Closed: Date:	
NCR: WORK ORDER NON-CONFORMANCE (NCR)	
DATE STEP Description of NC Corrective Action Section B Verification Approval A	Approval
	C inspector

NOTE: Date & initial all entries

D3065-5DART AEROSPACE LTD	Work Order:	52918
Description: Doubler	Part Number:	D3140-89
Inspection Dwg: D3140 Rev: F		Page 1 of 1

## FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
---	---------------	--	-----------

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
3.05	+/-0.030	3,046	<b>%</b>			
26.65	+/-0.030	26.675	*			
43.00	+/-0.030	43.00	٧			
3.20	+/-0.030	3,768	120			
5.79	+/-0.030	5.784	*			
0.032	+/-0.010	,033	*			, .
					-	
			<del> </del>			
						·

Measured by:	B	Audited by:	8	Prototype Approval:	N/A
Date:	9-11-5	Date:	67/11/06	Date:	N/A
	7		· · · · · · · · · · · · · · · · · · ·	Parata at the	

Rev	Date	Change	Revise	d J	у	Approved
Α	09.09.14	New Issue	KJ	乜	1	
	•			7	/	<b>F</b> 3



	DESIG	* <b>4</b>	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
	CHEC	(EQ )	APPROVED ,	DRAWING NO. REV. F
		Mek		D3140 SHEET 1 OF 7
ļ	DATE			TITLE SCALE
	06.1	0.06		DOOR NTS
	Α		02.04.18	NEW ISSUE
	В		03.01.23	REMOVE -65/-81/-83; ADD -301/-303
	С		04.11.08	CHANGE DELASTEK SPEC. TEC-77; ADD PART MARKING; ADD NOTES 11, 12, 13; CHANGE ANGLE -95/-97/-98 TO 106
	D		05.11.23	ADD -103/-104/-105/-106; REMOVE -67
	Ε		06.06.09	1.75 WAS 1.88, 4.75 WAS 4.13 ON -08/-07, 1.00 WAS 1.20 ON -09/-10

RELEAS	ED_
06 11:13 p. cif	<del>,</del>

RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDME AT WITHOUT NOTICE WOCKORDIZ

NO 32918	
	· _
pl0910-1	4

plog-10-19				F	06.10.06		AE NO D3	ADD NOTE 14; CORRECT PART TITLE, NOW D3140-09/-92/-104 SHOWN D3140-10/-91/-103 OPPOSITE		
QTY -05	QTY	QTY	QTY	QT` -09		QTY -10	PART NUMBER		DESCRIPTION	
-05 X	-06	-07	-08	-09	-	-10	D3140-05		DOOR	4
<b>-</b>	×	<del></del>			+		D3140-05		DOOR	1
$\vdash$	<del>  ^-</del>	X			+		D3140-07	-	DOOR	1 .
			х		$\dashv$		D3140-07		DOOR	1
		1	<del>-^-</del>	Х	+		D3140-09		DOUBLER ASSEMBLY	1
		<del>                                     </del>	1		十	X	D3140-10	-	DOUBLER ASSEMBLY	1
<b>—</b>			<u> </u>		$\dashv$		2014010		DOODEEN NOOEMBE!	1
3	3						D3140-57		PAD	1
1	1				_		D3140-59		PAD	1
2	2				$\neg$	-	D3140-61		PAD	1
2	2				$\neg$		D3140-63		PAD	1
		1	1				D3140-69		PAD	1
		1	1			•	D3140-71		PAD	
		1	1				D3140-73		PAD	1
		1	1		$\top$		D3140-75		PAD	]
		1	1				D3140-77		PAD	]
		1	1				D3140-79		PAD	
				1		1	D3140-85		ANGLE	]
1	1						D3140-87		DOUBLER	]
				1		1	D3140-89		DOUBLER	]
		1			Т		D3140-91		DOUBLER	
			1				D3140-92		DOUBLER	}
3	3						D3140-95		DOUBLER	<u> </u>
1							D3140-97		DOUBLER	]
	1						D3140-98		DOUBLER	j
		1	1		$oldsymbol{\perp}$		D3140-99		DOUBLER	1
		2	2				D3140-101		DOUBLER	1
		1					D3140-103		DOUBLER	1 ,
			1				D3140-104		DOUBLER	1 ()
		1					D3140-105		DOUBLER	1/D/
			1		Ţ		D3140-106		DOUBLER	ļ <del>~~~</del>
11	1				$\bot$		D3140-241		DOUBLER	1
1		1					D3140-301		DOUBLER	1
	1		1				D3140-303		DOUBLER	1
L										
				5		5	MS20426AD3-4		RIVET	J



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	DESIGN #	CB	1	ROSPACE LTD y, ontario, canada
7	CHECKED	APPROVED ,	DRAWING NO.	REV. F
	Mek		D3140	SHEET 2 OF 7
T	ATE		TITLE	SCALE
10	06 10 06		DOOR	мте



COMPOSITE LAYUP & BONDING I.A.W. DELASTEK PROCESS SPEC. TEC-77
MATERIAL STORAGE & HANDLING TO BE I.A.W. DART QSI 006
MAIN LAYUP USES FIBERCOTE E-761/7781 EPOXY FIBERGLASS.
FILL WITH EPOCAST 87269 OR MAGNOBOND 77 A & B AND MA560 FOAM/ NB-51/30 FOAM



FINISH: DUPONT HIGHBUILD GREY PRIMER 1144-S

MAKE PARTS IN ACCORDANCE WITH THE FOLLOWING TOOLS/MOLDS:

PART D3140-05 D3140-06 D3140-07 D3140-08 D3140-57 D3140-61 D3140-63 D3140-69 D3140-71 D3140-73 D3140-75 D3140-77 D3140-79 D3140-89	TOOL B30-23000-01T B30-23000-02T B30-23000-03T B30-23000-04T B30-23000-57T B30-23000-61T B30-23000-63T B30-23000-71T B30-23000-73T B30-23000-75T B30-23000-77T B30-23000-79T D3140-89T1
D3140-301 D3140-303	D3140-301T1 D3140-303T1

RELEASED



MATERIAL: 2024-T3 (QQ-A-250/4) 0.032 THICK (M2024T3S.032) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 2024-T3 (QQ-A-250/4) 0.020 THICK (M2024T3S.020) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: 5052-H32/H34 (QQ-A-250/8) 0.040 THICK (M5052H32S.040) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



MATERIAL: POLIMEX TR75 1" THICK 4.5 LB KLEGECELL



ALL DIMENSIONS IN INCHES



TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (M6061-T6S.063) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1



DOUBLER TO SIT ON TOP OF FOAM AT THIS LOCATION



DOUBLER TO BE RECESSED FLUSH INTO FOAM AT THIS LOCATION



RUBBER STAMP WITH DART P/N D3140-05/-06/-07/-08 USING MIL-STD-130

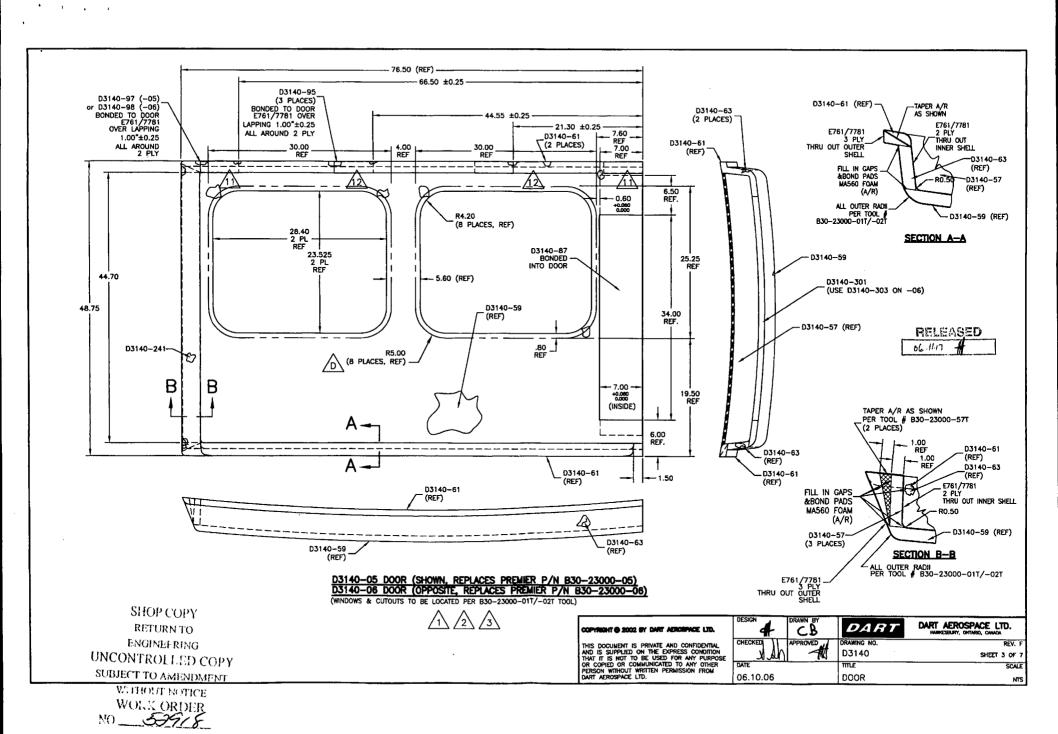


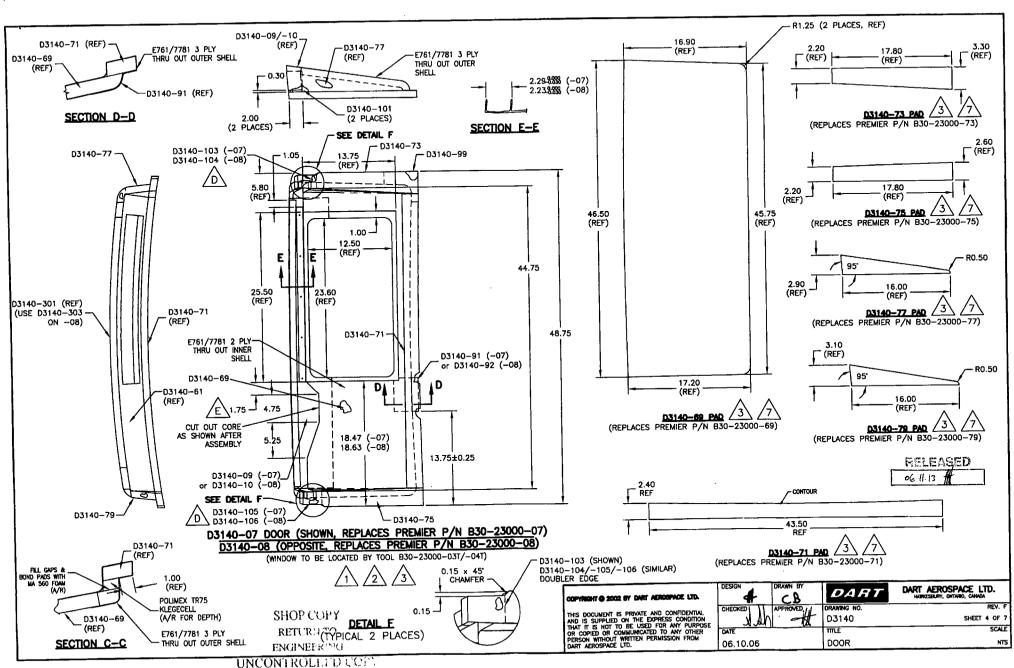
PARTS MUST BE SCUFFED WITH 80 GRIT SANDPAPER PRIOR TO ACID ETCH AND ALODINE PER DART QSI 005 4.1



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